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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/809,958

03/25/2004

Bill Serra

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7889

22879 7590 01/19/2007

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FORT COLLINS, CO 80527-2400

EXAMINER

WONG, WILLIAM

ART UNIT

PAPER NUMBER

2112

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

01/19/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/809,958

Applicant(s)

SERRA ET AL.

Examiner

William Wong

Art Unit

2112

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claims 1-12 are pending.

Oath/Declaration

1. Date of signature is missing from inventor Bill Serra.

Specification

2. The disclosure is objected to because of the following informalities:
 - Line 26 on page 2 states that item 112 is a video stream selection unit, while lines 3-4 on page 3 state that item 112 is a video mixing unit.
 - The following abbreviations should be spelled out, with the abbreviation in parenthesis following it:
 - RAM (in line 19 on page 6)
 - RAID (in line 26 on page 6)
 - CD ROM, WORM, and DVD (in line 29 on page 6)

Appropriate correction is required.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 9-12 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. A computer program is merely a set of instructions

capable of being executed by a computer. Without the computer-readable medium needed to realize the computer program's functionality, the computer program is considered nonstatutory functional descriptive material.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-2, 4-6, 8-10, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crain (US 4,962,473) in view of Monroe et al. (US 2002/0097322).

Claim 1

As per claim 1, Crain teaches a **monitoring system comprising: a plurality of sensor elements for distribution at a location** (in abstract, "... A first subdivision is a security and control subsystem which operates to monitor and control sensors and actuators associated with an intrusion detection system" in view of figure 2), **a plurality of cameras for capturing video data of the location** (in column 6 lines 12-20, "As seen from FIG. 2, the video switch and control circuit 39 which is associated with the environment and security processor 35 accepts input from video sources such as surveillance cameras, video tape recorders, computer generated displays and other video sources.

As one can understand, in a large facility which is being monitored there may be video cameras distributed throughout the facility" in view of figure 2 and in abstract), **a display unit for displaying a graphical representation of a network of the sensor elements throughout the location and a video stream from any one of the cameras** (in column 12 lines 21-30 in view of figures 2 and 4, and in column 5 lines 34-39), **a navigation unit for navigating through the network of sensor elements** displayed by the display unit (in column 11 lines 24-28 and in column 17 lines 46-51 in view of figure 11), **and a processing unit for selecting one of the cameras as the source of the video stream** (in column 6 lines 50-57, "... The control and switching of the surveillance video is centralized and completely under the control of the ESP 35 [or environment and security processor] to improve security and to simplify manual operations in the event of computer failure" in view of column 12 lines 24-27, "This includes switches to select specific views and camera controls 75 which switches or controls are mounted beneath the display 64"), but Crain does not specifically teach selecting one of the cameras as the source of the video stream **based on a current navigation position in the network of sensor elements**.

However, Monroe teaches the above limitation (in paragraphs 19, 21, 22, and 25 on page 2 in view of figure 3, the user navigates the network of sensors through a map and upon selecting a particular sensor/navigation position among the network of sensors, the associated video stream will be displayed). It would have been obvious to

one of ordinary skill in the art to modify the system of Crain to include the video display based on a current navigation position of Monroe to allow the user to quickly and easily select a particular camera to view and relate its position in the location that is being monitored, thereby enhancing the surveillance capability of the user.

Claim 2

As per claim 2, the rejection of claim 1 is incorporated and Crain further teaches **a plurality of actuator elements for distribution at the location** (in abstract, "... A first subdivision is a security and control subsystem which operates to monitor and control sensors and actuators associated with an intrusion detection system" in view of figure 2), **the display unit displaying a graphical representation of a network of the sensor and actuator elements** (in column 18 lines 63-68 and column 19 lines 1-3), **the navigation unit enabling navigation through the network of sensor and actuator elements** (in column 11 lines 24-28, "As indicated above, the display 63 interfaces with the user interface computer 66 and allows the use of the window control pad 82, the mouse 68, the text numeric keyboard 69 and the dialing function select pad 90" and in column 17 lines 46-51 in view of figure 11), **and a control unit for controlling the actuator elements through user input in response to information obtained from the graphical representation and the video stream** (in column 8 lines 18-21, Craine uses a control unit, graphical representation and surveillance video in conjunction to access and

control his system, allowing the user to control actuators through user input methods disclosed in column 17 lines 46-51 and in column 9 lines 14-18).

Claim 4

As per claim 4, the rejection of claim 1 is incorporated and Crain further teaches **the control unit updating configuration data associated with the network of sensors and actuators in response to the user input** (in column 17 lines 46-51 in view of figures 11 and 5b, the user is able to enable, disable, or test sensors and actuators, which inherently requires updating configuration data associated with them).

Claims 5, 6, and 8

Claims 5, 6, and 8 are the method claims corresponding to the system claims 1, 2, and 4 respectively, and are rejected under the same reasons set forth in connection with the rejection of claims 1, 2, and 4.

Claims 9, 10, and 12

Claims 9, 10, and 12 are the computer program claims corresponding to the system claims 1, 2, and 4 respectively, and are rejected under the same reasons set forth in connection with the rejection of claims 1, 2, and 4.

6. Claims 3, 7, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crain (US 4,962,473) in view of Monroe et al. (US 2002/0097322). as applied to claim 1 above, and further in view of Jacoby (US 5768552).

Claim 3

As per claim 3, Crain and Monroe teach the monitoring system of claim 1 (see rejection of claim 1) and Crain further teaches **the processing unit overlaying an element over the video stream** (in column 6 lines 9-12, for example, adding a title), but does not specifically teach a **frame boundary corresponding to a displayed frame of a graphical representation**. However, Jacoby teaches the above limitation (in column 8 lines 51-64; a rectangle corresponding to a displayed frame is overlaid on another view). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Crain and Monroe to include the frame boundary element of Jacoby to provide the user with an indication of the contextual relationship between different views, where one view contains the other.

Claim 7

Claim 7 is the method claim corresponding to the system claim 3, and is rejected under the same reasons set forth in connection with the rejection of claim 3.

Claim 11

Claim 11 is the computer program claim corresponding to the system claim 3, and is rejected under the same reasons set forth in connection with the rejection of claim 3.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

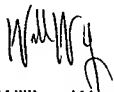
US 4369467 A	Video camera monitoring system	Smith; William V.
US 4992866 A	Camera selection and positioning system and method	Morgan; Jack B.
US 5956081 A	Surveillance system having graphic video integration controller and full motion video switcher	Katz; Barry et al.
US 5973867 A	Signal recording and playback apparatus for location monitoring which records prior to sensor input	Yamamoto; Junichi
US 6097429 A	Site control unit for video security system	Seeley; John E. et al.
US 20020016971 A1	Personal video recording system with home surveillance feed	Berezowski, David M. et al.
US 20020057342 A1	Surveillance system	Yoshiyama, Takashi et al.
US 6466258 B1	911 real time information communication	Mogenis; Bronislaw Raymond et al.
US 6504479 B1	Integrated security system	Lemons; Brian Timothy et al.
US 20030095183 A1	Security camera systems	Roberts, Patricia et al.
US 20030202102 A1	Monitoring system	Shiota, Natsuko et al.
US 20040004543 A1	Security system and method with realtime imagery	Faulkner, James Otis et al.
US 20040008253 A1	Comprehensive multi-media surveillance and response system for aircraft, operations centers, airports and other commercial transports, centers and terminals	Monroe, David A.

US 6744463 B2 Multi-camera surveillance and monitoring system Rye; David John et al.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Wong whose telephone number is 571-270-1399. The examiner can normally be reached on M-F 7:30-5:00 EST with alternate Fridays 7:30-4:00 EST .

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chameli Das can be reached on 571-272-3696. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



William Wong
Patent Examiner



CHAMELI DAS
SUPERVISORY PATENT EXAMINER

1/8/07